To: Dr. Robert Law (rlaw@demaximis.com)[rlaw@demaximis.com]
Cc: Naranjo, Eugenia[Naranjo.Eugenia@epa.gov]; Vaughn, Stephanie[Vaughn.Stephanie@epa.gov]; Yeh, Alice[Yeh.Alice@epa.gov]; Sharon Budney[BudneySL@cdm.com]; 'Tsang, Frank (TsangC@cdmsmith.com)'[TsangC@cdmsmith.com]; Garland, Edward[Edward.Garland@hdrinc.com]; Mathew, Rooni[rmathew@moffattnichol.com]; Rafael Canizares[RCanizares@moffattnichol.com]; Peter Israelsson[pisraelsson@anchorqea.com]; Peter Oates[poates@anchorqea.com]; 'Wen Ku'[wku@anchorqea.com]
From: Wands, James
Sent: Mon 3/3/2014 6:38:27 PM
Subject: RE: FFS model transfer
CODES

Rob,

Here is another try. Please add a ".zip" extension to the file. It bounced from your email as well as AQEA.

Thanks,

James

From: Wands, James
Sent: Monday, March 03, 2014 1:13 PM
To: Dr. Robert Law (rlaw@demaximis.com)
Cc: Naranjo, Eugenia (Naranjo.Eugenia@epa.gov); Vaughn, Stephanie (Vaughn.Stephanie@epa.gov); Yeh, Alice (Yeh.Alice@epa.gov); Sharon Budney; 'Tsang, Frank (TsangC@cdmsmith.com)'; Garland, Edward (Edward.Garland@hdrinc.com); Mathew, Rooni; Rafael Canizares; Peter Israelsson; Peter Oates; 'Wen Ku'
Subject: FFS model transfer

Rob,

I wrote the email below with the intention of sending it along when I shipped the hard drives. Unfortunately we have hit a bit of a snag. The IT folks here assumed that the drives would be used with Linux servers and formatted them with the Linux native EXT4 format. The drives presently have all of the files on them, but they are not readable by Windows. I will have to reformat the drives and re-copy all of the model files to them. I have attached the model codes

so that the CPG modeling team can begin to take a look at the updates that have been made.

The files will take another day or two to copy back onto the hard drive. Once copied we will get the drives to AQEA's Montvale office.

Regards,

James

Rob,

I emailed Peter Israelsson, and at his request I have sent the two hard drives with the FFS models to Wen Ku in AQEA's Montvale office. The first drive (4TB drive) has the hydrodynamic and sediment transport and fate and transport code, inputs and outputs on it, the second drive (2TB drive) has the carbon model code, inputs and outputs on it.

Please note that the models were run across an array of servers so paths in the run scripts point to various locations and will have to be edited in order to run the scripts. Some of the scripts have been edited so that they point to the relative path to the appropriate files on the transfer drives.

Hard drive contents:

- H&ST, F&T (4TB Drive)

o TRANSFER_TO_CPG

§ SEDTRAN

- CODE = CODE

· INPUTS = INPUTS

· Eight runs, script used for runs = xqtrun, located in each directory

o RUN229_SHALLOW (1996-2012)

o RUN229_DEEP (1996-2010 forcing cycled for 2013-2027, 2028-2042, 2043-2057, 2058-2059)

o RUN233_DREM_DRE (Deep Dredging, active remedy, 2001-2010, 1996-1997 forcing, run for 2018-2029)

o RUN229_POST_DRE_CORR (Deep Dredging, post remedy, 1998-2010, 1996-1997 forcing, cycled for 2030-2044, 2045-2059)

o RUN233_DREM_CAP (Capping with Dredging, active remedy, 2001-2010, 1996-1997 forcing, run for 2018-2029)

o RUN229_POST_CAP_CORR (Capping with Dredging, post remedy, 1998-2010, 1996-1997 forcing, cycled for 2030-2044, 2045-2059)

o RUN233_DREM_FOC (Focused Capping with Dredging, active remedy, 2001-2010, 1996-1997 forcing, run for 2018-2029)

o RUN229_POST_FOC_CAP_CORR (Focused Capping with Dredging, post remedy, 1998-2010, 1996-1997 forcing, cycled for 2030-2044, 2045-2059)

§ ECOM-COLL-PRR

· Collapsed hydrodynamic and sediment transport files

o Script rw_yrly_gcmsedtran.sh generates collapsed files

o One directory for each of the eight runs above. The directory name is the same with "_COLL" appended to the end.

§ RCATOX-PASS-COLL-PRR

· CODE20130820-STACK = CODE

· One directory for each of the nine contaminant groups simulated

o DIOXIN1 (2378-TCDD, 123478-HxCDD, 123678-HxCDD, 123789-HxCDD, 1234678-HpCDD, OCDD)

§ INPUTS = DIOXIN1 inputs

§ RUN-PROJECTION-MNRGRRCH-PRR (Alternative 1, No-Action, 1996-2059, script = run-lpr-mnrgrh-prr)

§ RUN-PROJECTION-DRGGRRCH-PRR (Alternative 2, Deep Dredging, 2018-2059, script = run-lpr-drggrh-prr)

§ RUN-PROJECTION-CAPGRRCH-PRR (Alternative 3, Capping with Dredging, 2018-2059, script = run-lpr-capgrh-prr)

§ RUN-PROJECTION-FOCGRRCH-PRR (Alternative 4, Focused Capping with Dredging, 2018-2059, script = run-lpr-focgrh-prr)

o DIOXIN2 (12378-PeCDD, 12378-PeCDF, 123789-HxCDF, 234678-HxCDF, 1234789-HpCDF)

§ Same structure as DIOXIN1

o DIOXIN3 (2378-TCDF, 23478-PeCDF, 123478-HxCDF, 123678-HxCDF, 1234678-HpCDF, OCDF)

§ Same structure as DIOXIN1

o PCB (Di-PCB, Tri-PCB, Tetra-PCB, Penta-PCB, Hexa-PCB)

§ Same structure as DIOXIN1

o PCB2 (Mono-PCB, Hepta-PCB, Octa-PCB, Nona-PCB, Deca-PCB)

§ Same structure as DIOXIN1

o PCB-TEF1 (BZ#77, BZ#81, BZ#105, BZ#114, BZ#118, BZ#123)

§ Same structure as DIOXIN1

o PCB-TEF2 (BZ#126, BZ#156, BZ#157, BZ#167, BZ#169, BZ#189)

§ Same structure as DIOXIN1

o PEST1 (2,4`-DDD, 2,4`-DDE, 2,4`-DDT, 4,4`-DDD, 4,4`-DDE, 4,4`-DDT)

§ Same structure as DIOXIN1

o METALS (Cadmium, Mercury, Methylmercury)

§ Same structure as DIOXIN1

· Carbon (2TB Drive)

o ST-SWEM-PASS-COLL-PRR

§ CODE20130820 = CODE

§ INPUTS = Carbon inputs

§ RUN-PROJECTION-MNR-PRR (Alternative 1, No-Action, 1996-2059, script = run-lpr-mnr-prr)

§ RUN-PROJECTION-DRG-PRR (Alternative 2, Deep Dredging, 2018-2059, script = run-lpr-drg-prr)

§ RUN-PROJECTION-CAP-PRR (Alternative 3, Capping with Dredging, 2018-2059, script = run-lpr-cap-prr)

§ RUN-PROJECTION-FOC-PRR (Alternative 4, Focused Capping with Dredging, 2018-2059, script = run-lpr-foc-prr)

Regards,

James

James Wands, PE

HDR
Senior Water Quality Modeler

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